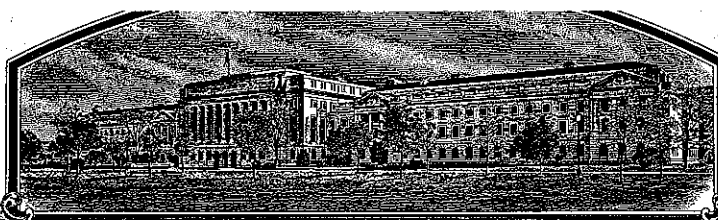


No.

200600178



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Commonwealth Scientific Industrial Research Organization (CSIRO)

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC FURNISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE SAID APPLICANT(S) TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'FM 960B2'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-third day of May, in the year two thousand and seven.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

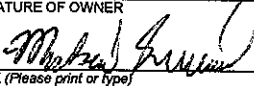


U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Joint Owners 1. Cotton Seed International/Proprietary Limited (ACN 888 927 915) 2. Bayer CropScience GmbH COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION (CSIRO) 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 1. Shearstone Culgoera Road Wee Waa, New South Wales 2388 Australia GPO BOX 1600 CANBERRA ACT 2601 AUSTRALIA 2. Industriepark-Hochst K-607 Brunnengasse 50 65928 Frankfurt am Main Germany 7/31/06		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME E0222B2 3. VARIETY NAME FM 960B2 4. TELEPHONE (include area code) (662) 686-9235 5. FAX (include area code) (662) 686-5605 6. DATE OF INCORPORATION APRIL 11, 2006	FOR OFFICIAL USE ONLY PVPO NUMBER 2006 00178 FILING DATE APRIL 11, 2006
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Limited liability company 8. IF INCORPORATED, GIVE STATE OF INCORPORATION Limited liability company		10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Michael Swindle Cotton Breeder Bayer Cotton Seed International 117 Kennedy Flat Road Leland, MS 38756	
11. TELEPHONE (include area code) (662) 686-9235	12. FAX (include area code) (662) 686-5605	13. E-MAIL michael.swindle@bayercropscience.com	
14. CROP KIND (Common Name) Upland Cotton	15. FAMILY NAME (Botanical) Malvaceae	16. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION. No 94-308-01p and No 00-342-01p	
17. GENUS AND SPECIES NAME OF CROP Gossypium hirsutum cs	18. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)	
20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 63(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED <i>(If additional explanation is necessary, please use the space indicated on the reverse.)</i>		23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. <i>(Please use space indicated on reverse.)</i>	
24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. <i>(Please use space indicated on reverse.)</i>			
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER  NAME (Please print or type) Michael Swindle		SIGNATURE OF OWNER NAME (Please print or type) Cotton Breeder	
CAPACITY OR TITLE Cotton Breeder	DATE 04/08/2006	CAPACITY OR TITLE Cotton Breeder	
DATE 04/08/2006		DATE 04/08/2006	

(See reverse for instructions and information collection burden statement)

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvpindex.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

USA: 12 April 2005

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

See attached page (form ST470 Line 24) : Did not have efficient space here for answer.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

PLANT VARIETY PROTECTION APPLICATION

Attached page from Form ST470 Line 24 continued

Events

MON531 and MON15985 (Monsanto Corp. Bollgard® II): Patent Numbers include - 5,424,200; 5,359,142; 5,352,605; 5,530,196; 5,322,938; 5,196,525; 5,164,316; 6,174,724; 5,880,275; 5,858,742; 5,159,135; 5,004,863; 5,728,925; 5,717,084; and 5,338,544

FM 966 : PVP Number 200100209 PVP Date 8/27/2004

PLANT VARIETY PROTECTION APPLICATION**EXHIBIT A****ORIGIN AND BREEDING HISTORY****VARIETY: FM 960B2****BRAND: FiberMax®**

FM 960B2 cotton contains two, simply-inherited transgenes, events MON 531, (cry1ac) and MON 15985, (Cry2ab) both of which confer resistance to lepidopteran species. Both MON events were developed and licensed from Monsanto corp. USA.

The Bollgard II transgene (MON event 15985) were introgressed (backcrossed) into FM 960B (E0222B MON event 531) [FM 966 (PVP#200100209)] beginning in 1998. All introgression work was done inside a glasshouse located at the CSIRO (Commonwealth Scientific and Industrial Research Organization) cotton research station Narrabri, Australia.

Three subsequent backcrosses were made. Following a selfing generation in the glasshouse approximately 80 plants were selected in the field in 2000/01 on the basis of Cry1Ac and Cry2Ab expression, leaf hair, disease resistance, lint % and fiber quality. Following progeny row testing for yield, disease resistance and fiber quality in 2001/02, 12 lines proceeded to replicated, multiple site trials in 2002-03. At the same time small seed increases were initiated for all 12 lines.

In 2003, these 12 lines were sent to BCSI (Bayer Cotton Seed International in the United States) for replicated yield trials in May 2002. BCSI is a partner with CSD (Cotton Seed Distributors) of Australia. CSD is partners with CSIRO.

In the US, data such as percent lint and various fiber quality parameters were measured, and results were used to begin selection of lines similar or superior to FM 960BR. The original 12 lines were further increased in counter-season nurseries in Costa Rica and in-season near Leland, MS, USA, in the winter of 2003-2004 and summer of 2004, respectively.

Further seed increases for testing and pure-seed multiplication purposes were performed in 2004, in both U.S. and counter-season locations. Internal multi-location, multi-year performance and evaluation trials were performed in order to select final line(s) that constitute the finished variety FM 960B2

Commercial-scale seed increases commenced in 2004 in Arizona, and the first commercial sales of FM 960B2 were made in the spring of 2005.

2006 00 178

FM 960B2 has been observed for five generations of reproduction. During this seed increase period the variety is stable and uniform. No variants were observed.

PLANT VARIETY PROTECTION APPLICATION

Table 1. CONVENTIONAL BACKCROSSING SCHEME FOR BOLLGARD II VARIETY DEVELOPMENT

BREEDING PROGRESSION

PLANT		PRODUCE		QC	LOCATION	YEAR
FM 960BR	X	MON event 159985	Transgene Source			
			F ₁	Trait, event nontarget	CSIRO glasshouse	1998
F ₁	X	Recurrent Parent	BC ₁ F ₁	Trait, event nontarget	CSIRO glasshouse	1999
BC ₁ F ₁	X	Recurrent Parent	BC ₂ F ₁	Trait, event nontarget	CSIRO glasshouse	1999
BC ₂ F ₁	X	Recurrent Parent	BC ₃ F ₁	Trait, event nontarget	CSIRO glasshouse	1999
BC ₃ F ₁	self	Self pollinate	BC ₃ F ₂	Trait, event nontarget	CSIRO glasshouse	2000
BC ₃ F ₂	self	Self pollinate, etc. Purify, Increase	F ₃	Trait, event nontarget	CSIRO/field	2000-2001
F ₃	self	Progeny Row	F ₄	Trait	CSIRO/field	2001-2002
F ₄	self	Trials, Increase	F ₅	Trait, event nontarget	CSIRO/field	2002-2003
F ₅	self	Trials, Increase	F ₆	Trait	field in USA	2003
F ₆	self	Increase	F ₇	Trait, nontarget	counter-season in Costa Rica	2003-2004
F ₇	self	Trials, Increase	F ₈	Trait	field in USA	2004
Etc.		Commercial Release	Etc.		field in USA	2005

PLANT VARIETY PROTECTION APPLICATION**EXHIBIT B****NOVELTY STATEMENT****VARIETY: FM 960B2****BRAND: FiberMax[®]**

FM 960B2 is similar and closely resembles FM 960BR, but can be distinguished from its comparator variety FM 960BR by the following: FM 960B2 contains two transgenes events (MON 531 and MON 15985) from Monsanto corp., while FM 960BR contains the MON 531 event and MON 1445; for Roundup Ready tolerance; FM 960B2 has a longer boll than FM 960BR; FM 960B2 has a shorter height to first fruiting branch than FM 960BR; FM 960B2 has shorter plant height than FM 960BR; FM 960B2 has a longer distance to first fruiting node (distance between main stem and first fruiting node on first fruiting branch) than FM 960BR; FM 960B2 bolls has more instances of more locks per boll than FM 960BR; FM 960B2 has a shorter stigma distance above stamens than FM 960BR; FM960B2 has a larger fuzzy seed than FM 960BR; FM 960B2 has a significantly longer fiber length than FM 960BR; FM 960B2 has a more uniform fiber than FM 960BR; FM 960B2 has a lower micronaire fiber than FM 960BR.

BCSI Research Station, Leland, MS 2005 Conditions: Planting date May 18, field grown irrigated trial with conventional management. Trial design for distinguishing characters, yield and fiber: 15 entry trial, random complete block design with 3 replications and two 14m row plots. For distinguishing characters: measurements were taken from 10 plants, from each of the 14m plots.

Analysis of variance procedures were used to obtain least significant difference at the 5% level, using Agrobase Generation II software.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.75 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY
Cotton (*Gossypium* spp.)

NAME OF APPLICANT (S) Bayer Cotton Seed International	TEMPORARY OR EXPERIMENTAL DESIGNATION E0222B2	VARIETY NAME FM 960B2
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country) 117 Kennedy Flat Road, Leland MS 38756		FOR OFFICIAL USE ONLY PVPO NUMBER 2006 00 178

Place the appropriate data that describes the varietal characteristics of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Data for quantitative plant characters should be based on a minimum of 100 plants. Royal Horticultural Society or any recognized color chart may be used to determine plant colors.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties that are adapted to your area. One of the comparison varieties must be the most similar variety (MSV) used in Exhibit B.

MSV 1. FiberMax FM 960BR Variety 2. _____ Variety 3. _____

1. SPECIES:

X *G. hirsutum* L. _____ *G. barbadense* L.

2. AREA(S) OF ADAPTATION (A = Adapted, NA = Not Adapted, NT = Not Tested):

A Eastern A Delta A Central NT Blacklands
A Plains A Western NA Arizona NA San Joaquin
_____ Other (Specify): _____

3. GENERAL: General Plant Type

	Application Variety	MSV 1	Comparison Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	<u>Intermediate</u>	<u>Intermediate</u>	_____	_____
Foliage: Sparse, Intermediate, Dense	<u>Intermediate</u>	<u>Intermediate</u>	_____	_____
Stem Lodging: Lodging, Intermediate, Erect	<u>Erect</u>	<u>Erect</u>	_____	_____
Fruiting Branch: Clustered, Short, Normal	<u>Short</u>	<u>Short</u>	_____	_____
Growth: Determinate, Intermediate, Indeterminate	<u>Intermediate</u>	<u>Intermediate</u>	_____	_____

3. GENERAL: (continued)

	Application Variety	MSV 1	Comparison Variety 2	Comparison Variety 3
Leaf Color: Greenish yellow, Light green, Medium green, Dark green	Medium Green	Medium Green		
Boll Shape: Length less than width, Length equal to width, Length more than width	Length>Width	Length>Width		
Boll Breadth: Broadest at base, Broadest at middle	Middle	Middle		

4. MATURITY: (50% Open bolls; Preferred method; Describe method if different method was used)

Date of 50% open bolls:	15 September	10 September		
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5. PLANT:

cm to 1st Fruiting Branch: (from cotyledonary node)	19.44	19.56		
No. of Nodes to 1st Fruiting Branch: (excluding cotyledonary node)	7.8	7.9		
Mature Plant Height cm: (from cotyledonary node to terminal)	113.0	115.0		

6. LEAF: (Upper most fully expanded leaf)

Type: Normal, Sub Okra, Okra, Super Okra	Normal	Normal		
Pubescence: Absent, Sparse, Medium, Dense OR Trichomes/cm ² (Bottom surface excluding veins)	Sparse	Sparse		
Nectaries: Present or Absent	Present	Present		

7. STEM PUBESCENCE:

Glabrous, Intermediate, Hairy	Intermediate	Intermediate		
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8. GLANDS: (Gossypol) Absent, Sparse, Normal, More than Normal

Leaf:	Normal	Normal		
Stem:	Normal	Normal		
Calyx Lobe: (normal is absent)	Absent/Normal	Absent/Normal		

9. FLOWER:

Petals: Cream, Yellow	Cream	Cream		
Pollen: Cream, Yellow	Cream	Cream		
Petal Spot: Present, Absent	Absent	Absent		

10. SEED:

Seed Index: (g/100 seeds, fuzzy basis)	11.6	10.2		
Lint Index: (g lint/100 seeds)	7.0	6.4		

11. BOLL:

Lint Percent:

X Picked _____ Pulled _____ 37.90 _____ 38.00 _____

OR

Gin Turnout:

_____ Picked _____ Stripped _____

Number of Seeds per Boll _____ 23.7 _____ 29.1 _____

Grams Seed Cotton per Boll _____ 5.3 _____ 4.9 _____

Number of Locules per Boll _____ 4.5 _____ 4.1 _____

Boll Type:

Stormproof, Storm Resistant, Open) _____ Storm Resist _____ Storm Resist _____

12. FIBER PROPERTIES:

Specify Method (HVI or Other): HVI _____

Length: (inches, 2.5% SL) _____ 1.19 _____ 1.12 _____

Uniformity (%): _____ 85.5 _____ 83.1 _____

Strength, T1 (g/tex) _____ 34.1 _____ 34.9 _____

Elongation, E1 (%) _____ 8.3 _____ 8.2 _____

Micronaire: _____ 4.6 _____ 4.8 _____

Fineness (Source _____) _____

Yarn Tenacity: (cN/tex, 27 tex) _____

Yarn Strength: (lbs. 22's) _____

13. DISEASES: (0 = Not Tested, 1 = Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Resistant)

0 _____ *Alternaria macrospora*

0 _____ Fusarium Wilt

0 _____ Anthracnose

0 _____ Phymatotrichum Root Rot

0 _____ Ascochyta Blight

0 _____ *Pythium* (specify species)

0 _____ Bacterial Blight (Race 1)

0 _____ *Rhizoctonia solani*

0 _____ Bacterial Blight (Race 2)

0 _____ Southwestern Cotton Rust

0 _____ Bacterial Blight (Race _____)

0 _____ *Thielaviopsis basicola*

0 _____ Diplodia Boll Rot

0 _____ Verticillium Wilt

_____ Other (Specify) _____

14. NEMATODES, INSECTS AND PESTS: (1 = Not Tested, 2 = Susceptible, 3 = Moderately Susceptible, 4 = Moderately Resistant, 5 = Resistant)

3 <input checked="" type="checkbox"/> Root-Knot Nematode	1 <input checked="" type="checkbox"/> Reniform Nematode
1 <input checked="" type="checkbox"/> Boll Weevil	1 <input checked="" type="checkbox"/> Grasshopper (specify species): _____
1 <input type="checkbox"/> Bollworm	1 <input checked="" type="checkbox"/> Lygus (specify species): _____
1 <input checked="" type="checkbox"/> Cotton Aphid	1 <input checked="" type="checkbox"/> Pink Bollworm
1 <input checked="" type="checkbox"/> Cotton Fleahopper	1 <input type="checkbox"/> Spider Mite (specify species): _____
1 <input checked="" type="checkbox"/> Cotton Leafworm	1 <input checked="" type="checkbox"/> Stink Bug (specify species): _____
1 <input checked="" type="checkbox"/> Cutworm (specify species): _____	1 <input checked="" type="checkbox"/> Thrips (specify species): _____
1 <input checked="" type="checkbox"/> Fall Armyworm	1 <input checked="" type="checkbox"/> Tobacco Bud Worm
_____ Other (Specify) _____	

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13, which significantly distinguished your variety.

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PLANT VARIETY PROTECTION APPLICATION**APPENDIX A****SOURCE OF DATA AND STATISTICAL ANALYSIS
FOR EXHIBIT B AND EXHIBIT C**

Descriptions of general characteristics, and of leaf, stem, gland and flower characteristics, along with plant description information (height and nodes to first fruiting branch, and final mature plant height) were collected from 10 plants in each 6 replications. The field trial was designed specifically for these measurements in 2005 at the Bayer Cotton Seed International-Delta Research Station, Leland, MS (Table 2). Soil type at this location is a Boskett very-fine, sandy-loam.

In addition, yield and fiber data was collected for these plots and can be found in Table 3. Additional morphological data was taken as visual ratings regarding strain uniformity, plant height, disease reaction, visual maturity, plant type, boll type, boll size, leaf pubescence, stalk lodging, agronomic appeal, and leaf type were additionally made (Table 4). A key for the rating can be found in Table 5.

PLANT VARIETY PROTECTION APPLICATION

TABLE 2. PLANT MEASUREMENT ANALYSIS PVP INTERNAL TRIAL -LELAND, MS 2005

ENTRY_NAME	BOLL_LEN (mm)	BOLL_WID (mm)	CMFB (cm)	NFB (cm)	HT (cm)	FB1 (cm)	PED (mm)	LOCKS_BOLL (number)	ST_LEN (mm)
FM 960B2	2.04	1.36	19.44	7.83	113.00	11.39	2.59	4.50	2.90
FM 960BR	1.91	1.36	19.56	7.93	115.90	8.83	2.51	4.10	3.70
GRAND MEAN	1.98	1.36	19.50	7.88	114.47	10.11	2.55	4.33	3.28
C.V.,%	1.84	0.60	9.11	0.90	7.33	13.97	4.58	5.65	5.42
LSD (0.05)	0.13	0.03	6.24	0.25	29.46	4.96	0.41	0.86	0.63

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TABLE 3. 2005 PVP VARIETY TRIAL - BCSI DRS (MS DELTA)

ENTRY NAME	MEAN % LINT	LBS LINT/ACRE MS Leland	MEAN HVI FIBER QUALITY				
			BOLL SIZE (g)	LEN (in)	UNIF (%)	STREN (g/tex)	ELONG (%)
FM 960B2	37.9	714	5.3	1.19	85.5	34.1	8.3
FM 960BR	38.0	848	4.9	1.12	83.1	34.9	8.2
GRAND MEAN	37.9	781	5.1	1.16	84.3	34.5	8.2
C.V. %	2.4	6.9	1.4	0.61	1.2	6.8	2.6
LSD (0.05)	0.6	89	0.1	0.02	3.4	8.2	0.8
							1.0

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PLANT VARIETY PROTECTION APPLICATION

TABLE 4. 2005 TRANSGENIC COMMERCIAL VARIETY TRIAL - HERBICIDE TOLERANT - BCSI DRS (MS DELTA)

MORPHOLOGICAL DATA-LELAND, MS 2005

ENTRY NAME	STR UNIF	PLT HT	DIS RXN	MAT PCT	PLT TYPE	BOLL TYPE	VBOLL SIZE	LEAF_PUB	STLK LOG	AGR APP	LEAF TYPE
FM 960B2	1	6	1	58.55	6	5	6	7	1	5	Normal
FM 960BR	1	6	1	66.67	6	6	6	7	1	5	Normal

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PLANT VARIETY PROTECTION APPLICATION

TABLE 5. VISUAL FIELD RATINGS KEY

Strain Uniformity	1=uniform	5=slightly variable	9=highly variable
Plant Height	1=short	5=normal (check)	9=rank
Disease Reaction	1=no symptoms	5=some symptoms	9=severe
Maturity (PERCENT OPEN)*	10%= late	50%=mid	90%=very early
Plant Type	1=cluster	5=intermediate	9=open
Boll Type	1=loose	5=intermediate	9=storm proof
Boll Size	1=small	5=intermediate	9=large
Leaf Pubescence	1=pubescent	5=semi-smooth	9=glabrous
Stalk Lodging	1=upright	5=slightly lodged	9=severely lodged
Agronomic Appeal	1=poor	5=avg.	9=excellent
Leaf Type	1=hirsute	2=okra	3=mixed

* Taken @ 130 days after planting

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEEXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)

2. TEMPORARY DESIGNATION
OR EXPERIMENTAL NUMBER

3. VARIETY NAME

Joint Owners 1. Cotton Seed International Proprietary (ACR 065 327)

2. Bayer CropScience GmbH

E0222B2

FM 960B2

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)

5. TELEPHONE (Include area code)

6. FAX (Include area code)

1. Shenstone

2. Industriepark Hochst

Outgoora Road

K-607

Wee Waa, New South Wales 2388

Bruningstrasse 50

Australia

65926 Frankfurt am Main

GPO Box 1600

Germany

CANBERRA ACT 2601 AUSTRALIA

7. PVPO NUMBER

200600178

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

☒ YES☐ NO

As a part of a joint venture company. FM 960B2, is a an essentially derived variety version of FM 966.

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

☐ YES☒ NO

1. Australia 2. Germany

RND 4/11/07

10. Is the applicant the original owner?

☒ YES☒ NO

If no, please answer one of the following:

RND 4/11/07

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES☒ NO

If no, give name of country

1. Australia 2. Germany

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES☒ NO

If no, give name of country

1. Australia 2. Germany

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

FM 960B2 was developed solely by the faculty of CSIRO of Australia, and Bayer Cotton Seed International, MS, 117 Kennedy Flat Road, Leland, MS 38756. The original variety, FM 966, was developed solely by CSIRO of Australia. The joint owners retains all commercial rights and privileges of the original and all derived varieties.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Commonwealth Scientific and Industrial Research Organization (CSIRO)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) GPO Box 1600 Canberra ACT 2601 AUSTRALIA	TEMPORARY OR EXPERIMENTAL DESIGNATION E0222B2 VARIETY NAME FM 960B2
NAME OF OWNER REPRESENTATIVE (S) Michael Swindle	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 117 Kennedy Flat Rd Leland, MS 38756	FOR OFFICIAL USE ONLY PVPO NUMBER 2006 G0178

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

Date